

Date: Tuesday, 15/07/2008 4:12:03 PM
 User: Julie Lecocq

Process Sheet

Customer :	CU-DAR001 Dart Helicopters Services	Drawing Name :	SADDLE FITTING, AFT (OUTBOARD/INBOARD)	
Job Number :	40517	Part Number :	D2574	
Estimate Number :	10534	Drawing Number :	D2574 REV E	
P.O. Number :		Project Number :	N/A	
This Issue :	15/07/2008	S.O. No. :		
Prsht Rev. :	NC	Drawing Revision :	E	
First Issue :	1/1	Type :	MACHINED PARTS	
Previous Run :	40199	Material :		
Written By :		Due Date :	08/08/2008	Qty: 10 Um: Each
Checked & Approved By :	<u>JLD 08.7.16</u>			
Comment :	Est Rev: I As Per RevE 06-01-27 JLM			

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D6101005	Saddle Billet
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 10.0000 Each(s)
 7075-T7351 8.25X5.0X2.5
 Make from D6101-005 billet for D2574
 Ensure that grain is along 5.00" length
 Batch No: B34874

ml 08/08/16

10

2.0	HAAS1 -	HAAS CNC VERTICAL MACHINING #1
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Comment: HAAS CNC VERTICAL MACHINING #1
 Program Batch No. 40517 Double check by: J.A

1-Machine Step No 1 per Folio FA051 and inspect per attached Dimension Sheets
 2-Machine Step No 2 per Folio FA051 and inspect per attached Dimension Sheets
 3-Machine Step No 3 per Folio FA051 and inspect per attached Dimension Sheets
 4-Deburr and remove all machining marks
 5-Tumble to remove sharp edges.

ml J.F. 08/08/20

(10)

3.0	MILLING CONV.	CONVENTIONAL MILLING MACHINE
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Comment: CONVENTIONAL MILLING MACHINE
 Machine keyway as per dwg D2573 & D2574

ml J.F. 08/08/20

(10)

4.0	QC2	INSPECT PARTS AS THEY COME OFF MACHINE
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Comment: INSPECT PARTS AS THEY COME OFF MACHINE

ml J.F. 08/08/20

(10)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Tuesday, 15/07/2008 4:12:03 PM
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Customer: CU-DAR001 Dart Helicopters Services

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Job Number: 40517

Part Number: D2574

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC8

SECOND CHECK



Comment: SECOND CHECK

28 08/08/20

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1



Comment: HAND FINISHING RESOURCE #1

Acid etch and Alodine as per QSI 005 4.1

M2/M6

08/08/20

(N10)

7.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

9-20
01-
320
9-50

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

M-1 08/08/21

(10X)

8.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT

08-08-21

(V10)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: 51433

C208108/21

(10)

10.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

08/08/21

Job Completion



MF 08-08-21

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order: 40517
Description: Saddle, Aft Inboard		Part Number: D2574
Inspection Dwg: D2574 Rev. E		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2574 Rev. E and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	0.438	0.443		.440	.440	.440	.440		
B	1.745	1.755		1.750	1.750	1.750	1.750		
C	3.495	3.505		3.500	3.500	3.500	3.500		
D	1.745	1.755		1.750	1.750	1.750	1.750		
E	7.990	8.010		8.000	8.000	8.000	8.000		
F	0.490	0.510		.500	.505	.506	.504		
G	0.257	0.262		.260	.260	.260	.260		
H	0.375	0.380		.378	.378	.378	.378		
I	0.490	0.510		.501	.502	.502	.501		
J	1.174	1.184		1.179	1.180	1.179	1.180		
K	0.558	0.578		.568	.570	.570	.569		
L	1.174	1.184		1.179	1.180	1.179	1.180		
M	1.365	1.375		1.369	1.370	1.370	1.370		
N	2.495	2.505		2.499	2.500	2.499	2.499		
O	4.119	4.129		4.121	4.123	4.125	4.125		
P	0.115	0.135		.127	.126	.127	.126		
Q	0.115	0.135		.135	.135	.135	.135		
R	0.240	0.260		.248	.251	.252	.251		
S	0.115	0.135		.120	.127	.127	.122		
T	0.178	0.198		.188	.188	.188	.188		
U	3.210	3.250		3.229	3.230	3.230	3.230		
V	0.230	0.250		.240	.240	.239	.240		
W	0.115	0.135		.127	.132	.132	.131		
X	0.307	0.312		.307	.308	.307	.307		
Y	0.760	0.765		.760	.761	.760	.760		
Z	0.352	0.372		.366	.366	.359	.365		
AA	0.470	0.530		.500	.506	.500	.500		
AB	0.615	0.635		.626	.626	.626	.627		
AC	0.053	0.073		.063	.063	.063	.063		
AD	0.240	0.260		.244	.247	.246	.247		
AE	1.500	1.520		1.510	1.510	1.500	1.510		
AF	0.115	0.135		.135	.135	.135	.135		
AG	0.240	0.280		.265	.265	.262	.262		
AH	0.240	0.260		.249	.250	.250	.249		
AI	2.000	2.020		2.000	2.002	2.003	2.002		
AJ	0.023	0.043		.033	.033	.033	.033		
Accept/Reject									

Measured by:	<i>[Signature]</i>
Date:	08/08/18

Audited by:	<i>[Signature]</i>
Date:	08/08/20

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<i>[Signature]</i>

DART AEROSPACE LTD	Work Order: 40517
Description: Saddle, Aft Inboard-	Part Number: D2574
Inspection Dwg: D2574 Rev. E	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2574 Rev. E and record below:

				Recorded Actual Dimensions'				By	Date
Dim	Min	Max	Go/No Go Gauge	#5	#6	#7	#8		
A	0.438	0.443		.440	.439"	.439"	.439"		
B	1.745	1.755		1.750	1.750"	1.750"	1.750"		
C	3.495	3.505		3.500	3.501"	3.501"	3.501"		
D	1.745	1.755		1.750	1.750"	1.750"	1.750"		
E	7.990	8.010		8.000	8.004"	8.004"	8.004"		
F	0.490	0.510		.502	.503"	.502"	.505"		
G	0.257	0.262		.260	.260"	.260"	.258"		
H	0.375	0.380		.378	.378"	.378"	.377"		
I	0.490	0.510		.502	.502"	.501"	.505"		
J	1.174	1.184		1.179	1.180"	1.179"	1.179"		
K	0.558	0.578		.571	.570"	.569"	.569"		
L	1.174	1.184		1.179	1.180"	1.179"	1.179"		
M	1.365	1.375		1.369	1.369"	1.370"	1.370"		
N	2.495	2.505		2.499	2.500"	2.500"	2.500"		
O	4.119	4.129		4.124	4.122"	4.123"	4.123"		
P	0.115	0.135		.127	.127"	.127"	.126"		
Q	0.115	0.135		.135	.135"	.135"	.135"		
R	0.240	0.260		.252	.251"	.251"	.252"		
S	0.115	0.135		.128	.127"	.128"	.126"		
T	0.178	0.198		.188	.188"	.188"	.188"		
U	3.210	3.250		3.230	3.228"	3.229"	3.230"		
V	0.230	0.250		.239	.239"	.239"	.239"		
W	0.115	0.135		.132	.130"	.130"	.130"		
X	0.307	0.312		.308	.308"	.308"	.309"		
Y	0.760	0.765		.760	.760"	.761"	.761"		
Z	0.352	0.372		.361	.364"	.362"	.365"		
AA	0.470	0.530		.500	.500"	.500"	.500"		
AB	0.615	0.635		.628	.629"	.630"	.630"		
AC	0.053	0.073		.063	.063"	.063"	.063"		
AD	0.240	0.260		.248	.247"	.247"	.250"		
AE	1.500	1.520		1.511	1.510"	1.511"	1.510"		
AF	0.115	0.135		.135	.135"	.135"	.135"		
AG	0.240	0.280		.266	.268"	.268"	.280"		
AH	0.240	0.260		.249	.249"	.249"	.251"		
AI	2.000	2.020		2.002	2.003"	2.001"	2.001"		
AJ	0.023	0.043		.033	.033"	.033"	.033"		
Accept/Reject									

Measured by: <i>[Signature]</i> J.F.
Date: 06/08/18

Audited by: <i>[Signature]</i>
Date: 08/28/20

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	<i>[Signature]</i>

DART AEROSPACE LTD	Work Order: 40517
Description: Saddle, Aft Inboard	Part Number: D2574
Inspection Dwg: D2574 Rev. E	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2574 Rev. E and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1 9	1 10	3	4		
A	0.438	0.443		0.439	0.439				
B	1.745	1.755		1.750	1.750				
C	3.495	3.505		3.501	3.501				
D	1.745	1.755		1.750	1.750				
E	7.990	8.010		8.004	8.004				
F	0.490	0.510		.503	.503				
G	0.257	0.262		0.258	0.258				
H	0.375	0.380		0.377	0.377				
I	0.490	0.510		.504	.503				
J	1.174	1.184		1.179	1.179				
K	0.558	0.578		.572	.569				
L	1.174	1.184		1.179	1.179				
M	1.365	1.375		1.370	1.370				
N	2.495	2.505		2.500	2.500				
O	4.119	4.129		4.123	4.123				
P	0.115	0.135		.126	.126				
Q	0.115	0.135		.135	.135				
R	0.240	0.260		.252	.252				
S	0.115	0.135		.127	.125				
T	0.178	0.198		R.188	R.188				
U	3.210	3.250		3.230	3.230				
V	0.230	0.250		.239	.237				
W	0.115	0.135		.131	.130				
X	0.307	0.312		.310	.310				
Y	0.760	0.765		.761	.761				
Z	0.352	0.372		.367	.367				
AA	0.470	0.530		R.500	R.500				
AB	0.615	0.635		.630	.629				
AC	0.053	0.073		.063	.063				
AD	0.240	0.260		.250	.250				
AE	1.500	1.520		1.511	1.511				
AF	0.115	0.135		.135	.135				
AG	0.240	0.280		.280	.280				
AH	0.240	0.260		.251	.251				
AI	2.000	2.020		2.011	2.011				
AJ	0.023	0.043		.033	.033				
Accept/Reject									

Measured by:	J.F.
Date:	08/08/19

Audited by:	J.B.
Date:	08/08/20

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.09.27	Re-format; Added Rev. D	KJ	
C	02.10.11	Re-format; Added DT8682, DT8683, DT8684	KJ	
D	05.05.05	Added dimension AI	KJ/RF	
E	05.12.05	Added dimension AJ	KJ/JLM	

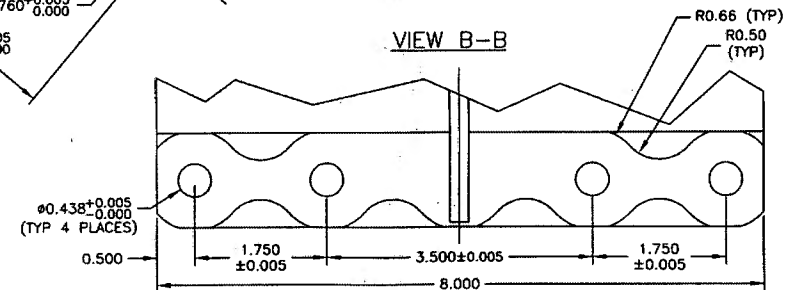
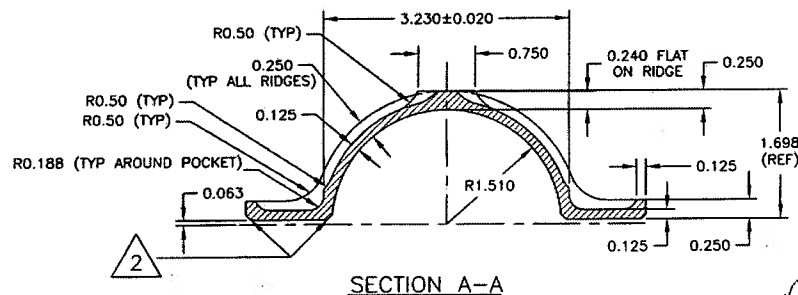
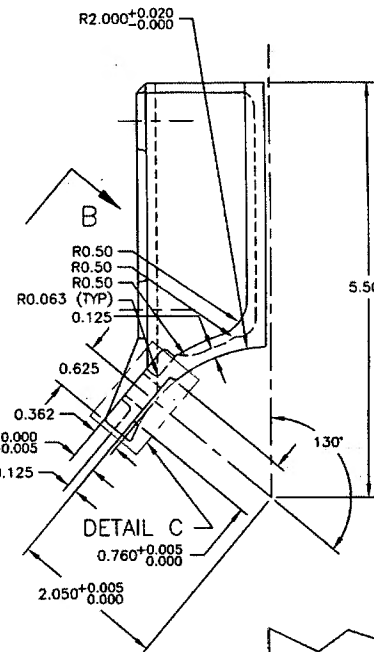
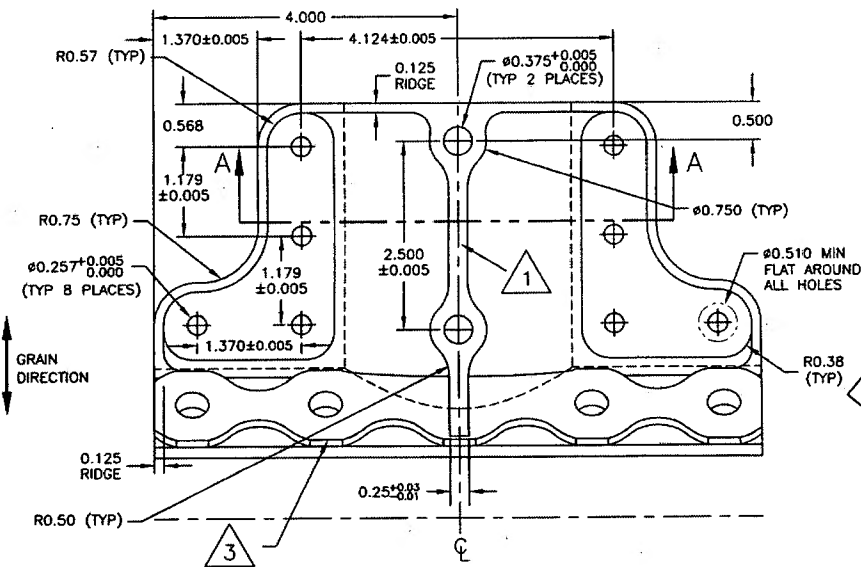
RELEASED

05.12.06

NOTES

MATERIAL: 7075-T7351 (QQ-A-250/12)
(REF DART SPEC. D6102-003)
FINISH: ACID ETCH, ALODINE PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER
DART QSI 005 4.3
BREAK ALL SHARP EDGES 0.010 TO 0.020
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

- 1 ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX DEPTH OF 0.010
- 2 CHAMFER 0.063" x 45° AROUND THIS SURFACE (TYPICAL 2 PLACES)
- 3 CHAMFER 0.063 x 45° ALL AROUND
- 4 CHAMFER 0.033 x 45° (SEE DETAIL C) E



DETAIL C
SCALE 2:1

E	05.07.13	ADD CHAMFER ON RIDGE NOTE 4
D	02.09.06	ADD RIDGES; TIGHTEN TOLERANCES
C	99.10.22	INCORP. DEO 9123/9079/9102 ADD DIMENSIONS PER TSR A1177
B	96.12.02	ADD GRAIN DIR., 0.438 WAS 0.425
A	96.09.16	NEW ISSUE
DESIGN	DS	DRAWN BY PH
CHECKED	PH	APPROVED
DATE	05.07.13	TITLE
		INNER AFT SADDLE
		SCALE 2:3

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DART AEROSPACE LTD.

DART AEROSPACE LTD.
HAMMERSBURY, ONTARIO, CANADA

REV. E

SHEET 1 OF 1

SCALE

2:3

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